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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Patent Application of

Confirmation No. 2087

Murphy et al.

Group Art Unit: 1634

Application Serial No. 09/554,451

Examiner: Bradley L. Sisson

Filed: May 15, 2000

Title: IMPROVEMENTS IN OR RELATING TO DETECTION OF MOLECULES IN SAMPLES

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §1.97 and §1.98, and further under Rule 97(d). Pursuant to 37 C.F.R. §1.98, a copy of each of the documents cited on the attached PTO Form 1449 is enclosed herewith.

Pursuant to Rule 97(d), the **\$180.00 fee**, and any deficiencies, for consideration of this supplemental Information Disclosure Statement should be charged to Deposit Account No. 03-3975 under Order No. 041301/0268066.

Applicants hereby respectfully request that the accompanying Information Disclosure Statement be considered and made of record in the above-identified Application. This Information Disclosure Statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicants to comply fully.

Supplemental Information Disclosure Statement

U.S. Serial No. 09/554,451

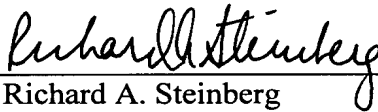
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Consideration of the enclosed prior art references is respectfully requested. The Examiner is further respectfully requested to return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column.

The examination and allowance of this Application is respectfully requested.

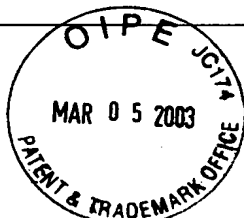
Respectfully submitted,

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Date: March 5, 2003
Attorney Reference: 041301/0268066



Atty.
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Client Ref.

0268066

041301

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: Murphy et al.

Application Serial No. 09/554,451

Filing Date: May 15, 2000

Date: March 5, 2003

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of

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Examiner: Bradley Sisson

Group Art Unit: 1646

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					

FOREIGN PATENT DOCUMENTS

ORIGINAL INVENTOR DOCUMENTS							Abstract		Readily Available	
		Document Number	Date MM/YYYY	Country	Inventor Name		Enclosed	No	Enclose	No
	DR									
	ER									
	FR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	GR	Ferrara, P "HGH: Production by genetic engineering for a hormone identical to the natural 22K hormone" <i>Symposium Quo Vadis?, Sanofi</i> , May 29-30, Toulouse-Labege, France (1985) 147-155.			
	HR	Atkinson, T, et al. "Human Growth Hormone: Microbial Expression and purification," <i>Biotechnology</i> 1 (1985) 1-6.			
	IR	Chang, CN, et al., "High-level secretion of human growth hormone by Escherichia coli," <i>Gene</i> 55 (1987) 189-196.			
	JR	Gray, G L, et al., "Pseudomonas Aeruginosa secretes and correctly processes human growth hormone," <i>Biotechnology</i> (1984) 161-165.			
	KR	Franchi, E, et al., "A new human growth hormone production process using a recombinant Bacillus subtilis strain," <i>J. Biotechnology</i> 18 (1991) 41-54.			
	LR	Hsiung, H M, et al., "High-level expression, efficient secretion and folding of human growth hormone in Escherichia coli," <i>Biotechnology</i> 4 (1986) 991-995.			
	MR	Becker, G W et al., "Expression, secretion and folding of human growth hormone in Escherichia coli," <i>FEBS</i> , 204:1 (1968) 145-150.			
	NR	Kato, C, et al. "Construction of an excretion vector and extracellular production of human growth hormone from Escherichia coli," <i>Gene</i> , 54 (1987) 197-202.			
	OR	Pearlman, R & Bewley, T A, "Stability and Characterisation of Human Growth Hormone," <i>Stability and Characterisation of Proteins and Peptide Drugs: Case Histories</i> (eds Y John Wang and Rodney Pearlman) (1993) Plenum Press, New York, pp. 1-58.			
	PR	Smith, C J, et al, "Detection and Characterisation of Intermediates in the Folding of Large Proteins by the Use of Genetically Inserted Tryptophan Probes," <i>Biochemistry</i> 30 (4) (1991) 1028-1036.			
	QR	Atkinson, T, et al, "High-level microbial expression and purification of recombinant proteins," <i>Bioactive Microbial Products 2</i> (Eds. J D Stowell, P J Bailey and D J Winstanley) (1986) Academic Press, London, pp. 27-43.			

Examiner

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.